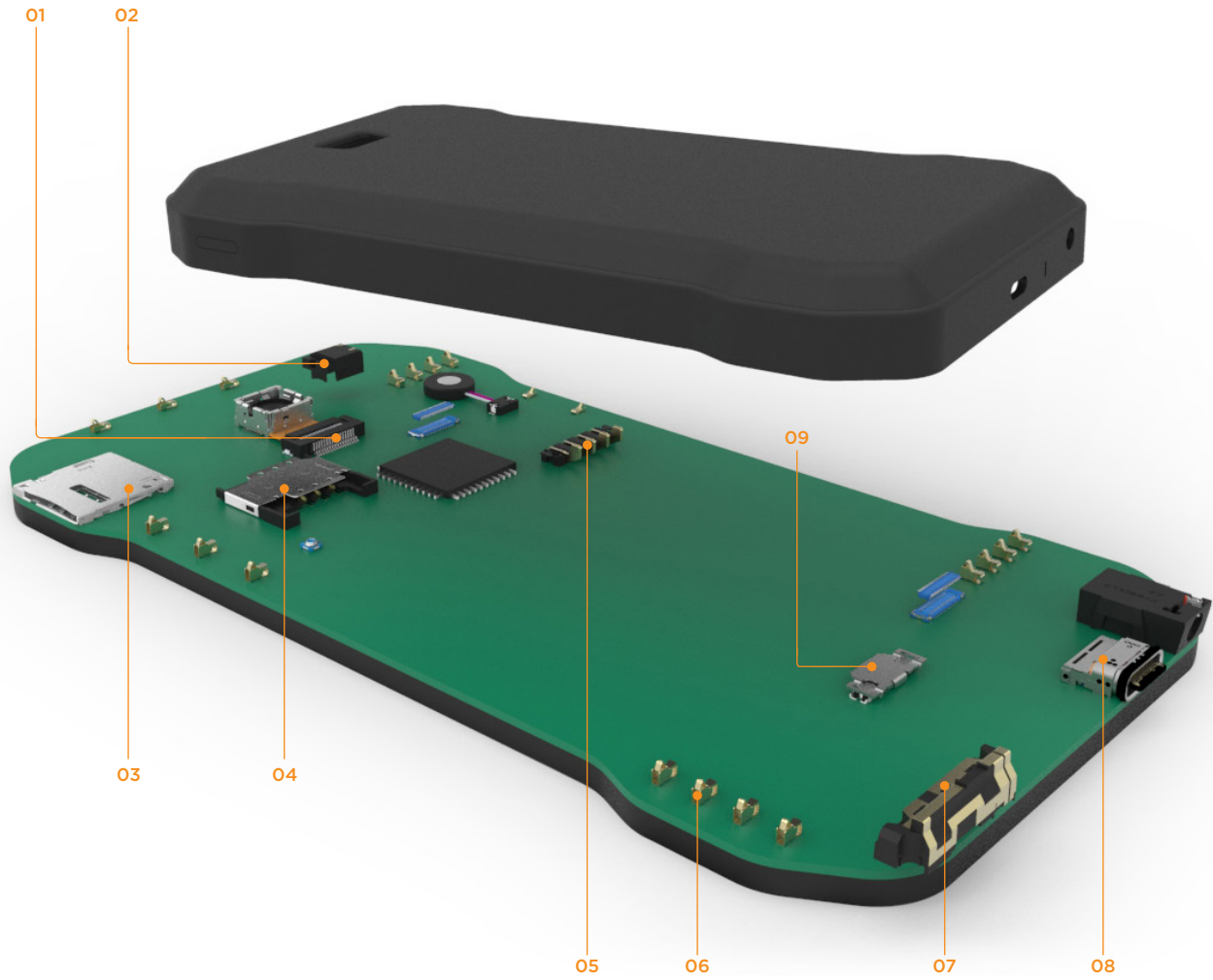




RUGGED MOBILE PHONES

The demand for ubiquitous communication and connectivity is growing, as is the demand for waterproof, dustproof and shock-resistant designs and rugged mobile phones, which provide reliable communication even in harsh and extreme environments. As mobile functions and usage scenarios expand, there is increasing demand for highly reliable and flexible connectivity solutions.




TE Connectivity (TE) offers a broad range of space-saving and high-performance interconnects that address the challenges of next-generation rugged mobile phones. From antennas and memory cards to EMI shields and battery connectors, we support various design requirements for mobile devices to withstand extreme conditions.


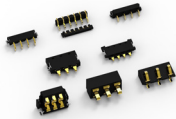
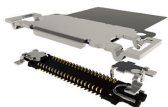


- 01 — FPC Connectors
- 02 — Wi-Fi and GPS Antenna Connectors
- 03 — Push-Push SIM Connectors
- 04 — Memory Card Connectors
- 05 — Mobile Battery Connectors



- 06 — Spring Finger Connectors
- 07 — LTE Main Antenna Connectors
- 08 — USB Type-C Connectors
- 09 — Board to Flex Connectors

SOLUTIONS FOR RUGGED MOBILE PHONES

	I/O USB Type-C Connectors	CARD Push-Push SIM Connectors	CARD Memory Card Connectors
			
Key Part No.	2305018-2	2822541-1	2201778-1
Key Product Features	<ul style="list-style-type: none"> • Standard USB 3.1 Gen2 • True IP68 waterproof rating • 5 Amp power • 5-10 Gbps data rate 	<ul style="list-style-type: none"> • Anti-buckling design • Wide portfolio and capacity 	<ul style="list-style-type: none"> • Anti-buckling design • Low profile • Wide portfolio and large capacity
Applications	<ul style="list-style-type: none"> • Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security 	<ul style="list-style-type: none"> • Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security 	<ul style="list-style-type: none"> • Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security
Literature	USB Type-C Connectors	Push-Push SIM Connectors	Memory Card Connectors

	GROUNDING Spring Finger Connectors	BATTERY Mobile Battery Connectors	BOARD TO BOARD Board to Flex Connectors
			
Key Part No.	2108613-5 2199001-1 1554901-1	2108074-2 2134758-1 1932859-1	4-2822378-0 4-2822384-0
Key Product Features	<ul style="list-style-type: none"> • Extensive off-the-shelf offering of spring fingers/grounding products • Available in heights as low as 0.4mm and up to 7.0mm • Type: standard, side-protected, pre-loaded, ultra low-profile • The preload function nearly doubles the working area of a common spring finger and increases contact force by 0.2N. 	<ul style="list-style-type: none"> • Centerline of 2.5mm-6.5mm • Various positions including 2, 3, 4, and 6 • Working height ranges from 0.4mm-6.7mm • Wide current rating from 1.5 Amperes to 5 Amperes 	<ul style="list-style-type: none"> • 0.4mm pitch board to FPC interconnect solution • Visible mating operation • Strong “U” spring structure offering strong retention • Full EMI shielding
Applications	<ul style="list-style-type: none"> • Mobile phones • Wearable devices • Game consoles • Tablets • Patient monitoring devices • POS scanners • Security systems • GPS devices 	<ul style="list-style-type: none"> • Mobile phones • PCs • Cameras • IoT • Other portable devices 	<ul style="list-style-type: none"> • Mobile phones • Wearables • Home appliances • Laptops • Ultraportable devices • Game consoles
Literature	Spring Finger Connectors	Mobile Battery Connectors	Board to Flex Connector

SOLUTIONS FOR RUGGED MOBILE PHONES

	FPC FPC Connectors	ANTENNA LTE Main Antenna Connectors	ANTENNA Wi-Fi and GPS Antenna Connectors
			
Key Part No.	1-2328702-0 1-2328724-5	2195350-1	2195353-1
Key Product Features	<ul style="list-style-type: none"> • Pitch: 0.25mm To 1.25mm • Pin counts: 3 to 60 pins • Slant FPC insertion option to maximize PCB layout area • Low profile (less than 1mm) economical product offerings • Wide portfolio enabling high design flexibility with proven quality & reliability 	<ul style="list-style-type: none"> • Antenna structure is plastic carrier with FPC • Antenna can cover world wide bands frequency 	<ul style="list-style-type: none"> • Antenna combines Wi-Fi and GPS together, which can support Wi-Fi and GPS frequency
Applications	<ul style="list-style-type: none"> • Hand-held scanners • POS devices, set-top boxes, gaming consoles • Business equipment • Industrial controls, gas pumps, ATMs, slot machines • Medical equipment 	<ul style="list-style-type: none"> • Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security 	<ul style="list-style-type: none"> • Hand-held devices • POS devices • Gaming consoles • Automotive (Infotainment) • Industrial • Security
Literature	FPC Connectors	LTE Main Antenna Connectors	Wi-Fi and GPS Antenna Connectors

 These solutions are helping to unlock the potential of 5G. Our portfolio of 5G solutions and capabilities address key challenges faced by design engineers around the world.*

te.com

* 5G ready solutions may vary within a product family. Please refer to te.com or contact your TE sales representative for additional information.

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